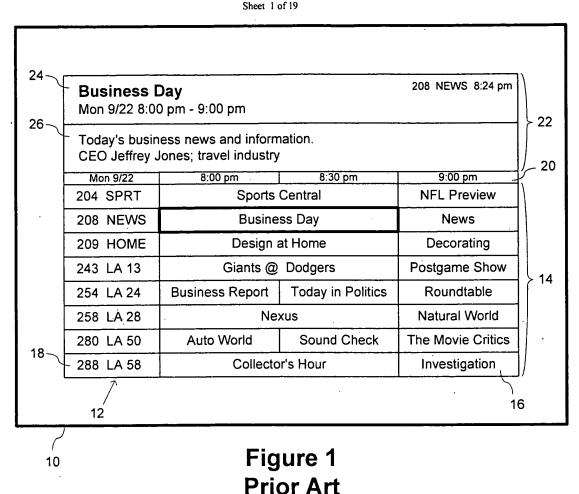
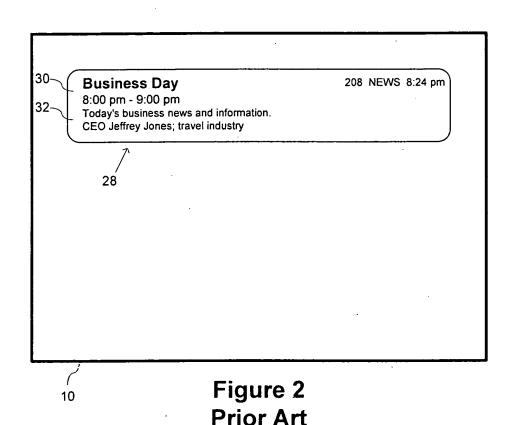
Inventors: Gil Gavriel DUDKIEWICZ et al. Attorney: Ronald Coslick – 051448-0209 FOLEY & LARDNER – (310) 277-2223





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Program identifier: | 762645819.0405 Program title: **Business Day** Type: Series Génre: News Series description: Today's business news and information Program description: CEO Jeffrey Jones; travel industry Channel: **News Network** 09/22/2003 Date: 8:00 pm Time: Duration: 60 min Rating: | General Language: **English** Alternate language: Spanish Closed caption: Audio type: Stereo

Conventional program metadata

Figure 3
Prior Art

INTERACTIVE PROGRAM GUIDES PROVIDING PROGRAM SEGMENT
INFORMATION
Inventors: Gil Gavriel DUDKIEWICZ et al.
Attorney: Ronald Coslick – 051448-0209
FOLEY & LARDNER – (310) 277-2223
Sheet 3 of 19

Progran	n ide	entifi	er:	76	2645	819.04	105					
Progran	n titl	le:	Bu	sine	ess D	ay						
Progran	n de	scrip	tio	n:	Too	lay's b	usine	ess ne	ews a	nd info	ormatio	n
Channe	el:	News	Ne	two	rk							
Date:	09/2	2/200)3									
Time:	8:00	pm										
Duratio	n:	60 m	n									Program motodata
Rating:	Ge	enera	l							•		Program metadata
Langua	ge:	Eng	glish	1								
Alterna	te la	ngua	ge:	:	Span	ish						
Closed	cap	tion:	١	es/								
Audio t	ype:	Ste	гео							_		
Catego	ries:	ne	ws,	8; b	usine	ess,9; i	nves	tmen	t,8;			
Keywor	ds:	Fed	dera	ıl Re	eserv	e; inte	est r	ates;	•••			
Actors:												
Directo	r:											

Progran	n identifi	er:	762	2645819.0	405		
Progran	n title:	Busi	ines	ss Day			
Segmen	t identifi	ier:	762	2645819.0	405.0004		
Segmen	nt title:	Earni	ings	s reports			
Segment description			:	IBM, Dell	, Cisco; anal	yst comments	
Channe	I: News	s Net	wor	k .			
Date:	09/22/20	03					
Time:	8:22 pm		_				•
Duration	n: 8 mir	ו					Sogmont motodata
Rating:	Genera	al					Segment metadata
Langua	ge: En	glish					
Alternat	e langua	ige:	s	panish			
Closed	caption:	Ye	es				
Audio ty	/pe: Ste	ereo		_ _			
Categor	ries: ne	ews,8	; bı	ısiness,9;	earnings,10;	technology,7;	
Keyword	ds: IBN	∕I; De	II; C	Cisco; ana	yst;		
Actors:			-				
Director	<u>"</u>						

Figure 4

INFORMATION
Inventors: Gil Gavriel DUDKIEWICZ et al.
Attorney: Ronald Coslick – 051448-0209
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Sheet 4 of 19

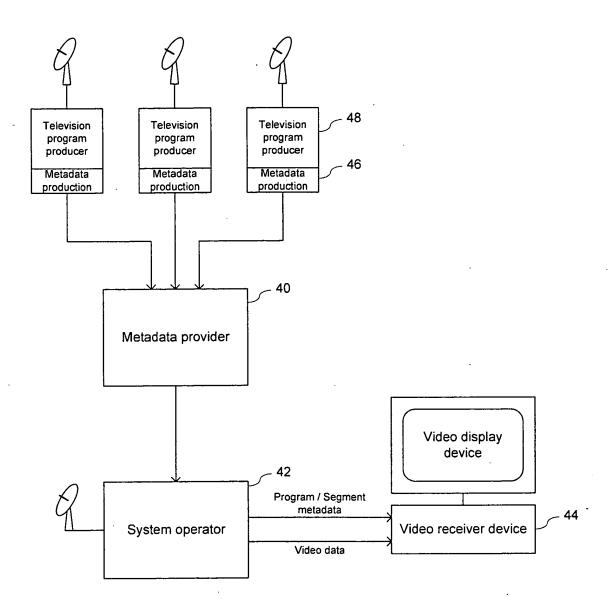


Figure 5

INFORMATION
Inventors: Gil Gavriel DUDKIEWICZ et al.
Attorney: Ronald Coslick – 051448-0209
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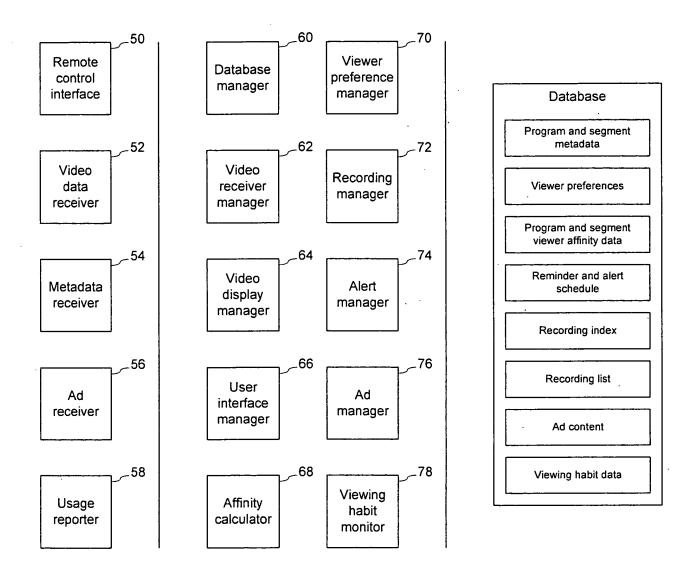


Figure 6

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User Command

Device Response

Display guide

- Retrieve metadata objects within a given time and channel range
- Assemble and display guide:
 - form program / segment grid
 - display cursor in current program / segment in grid
 - display program description in program window
 - display segment description in segment window

Move cursor

- Retrieve additional metadata objects and update grid, if necessary
- Display cursor in new program/segment in grid
- Update contents of program and segment windows

Select program or segment

- If the cursor is located on a current program or segment, tune to the channel of the program or segment
- If the cursor is on a future program or segment:
 - if the cursor is on a segment, display option to remind for whole program or segment only, and receive selection
 - schedule reminder for segment or program

Record

- If the cursor is on a current program or segment
 - if the cursor is on a segment, display option to record whole program or segment only and receive selection
 - begin recording
- If the cursor is on a future program or segment:
 - if the cursor is on a segment, display option to record whole program or segment only and receive selection
 - schedule recording
- If the cursor is on a program or segment has already aired and that is buffered
 - if the cursor is on a segment and the whole program is buffered, display option to store the whole program or segment only and receive selection
 - store whole program or segment as recorded content

Figure 7a

Inventors: Gil Gavriel DUDKIEWICZ et al. Attorney: Ronald Coslick – 051448-0209 FOLEY & LARDNER – (310) 277-2223 Sheet 7 of 19

User Command

Device Response

Filter

- Present user interface for selecting filtering criteria
- Receive filtering criteria
- Retrieve metadata objects based on filtering criteria
- Assemble and display filtered guide

Find more like this

- Retrieve program and segment metadata having categories, keywords, actors or directors in common with a program or segment on which the cursor is located
- Display information about the retrieved programs and segments
- Display user interface showing categories, keywords, actors and directors of the program or segment on which the cursor is located
- Receive input specifying which categories, keywords, actors and directors are of interest
- Retrieve program and segment metadata having the specified categories, keywords, actors or directors
- Display information about the retrieved programs and segments

Update preferences

 Update viewer preferences to reflect approval or disapproval of categories, keywords, actors or directors of a program or segment on which the cursor is located

OR

- Display user interface showing categories, keywords, actors and directors of the program or segment on which the cursor is located
- Receive input specifying which categories, keywords, actors and directors are approved or disapproved
- Update viewer preferences to reflect approval or disapproval of specified categories, keywords, actors or directors

Figure 7b

Inventors: Gil Gavriel DUDKIEWICZ et al. Attorney: Ronald Coslick – 051448-0209 FOLEY & LARDNER – (310) 277-2223 Sheet 8 of 19

Segment: Ea Start: 8:22 Duration: 8 mir	rnings Reports: IBM, D	ell, Cisco; analyst com	ments	
Mon 9/22	8:00 pm	8:30 pm	9:00 pm	
204 SPRT	Sports	Sports Central		
208 NEWS	Busine	ss Day	News	
209 HOME	Design a	Decorating		
243 LA 13	Giants @	Postgame Show		
254 LA 24	Business Report	Today in Politics	Roundtable	
258 LA 28	Ne	kus	Natural World	
280 LA 50	Auto World	Sound Check	The Movie Critics	
288 LA 58	Collecto	r's Hour	Investigation	

Figure 8a

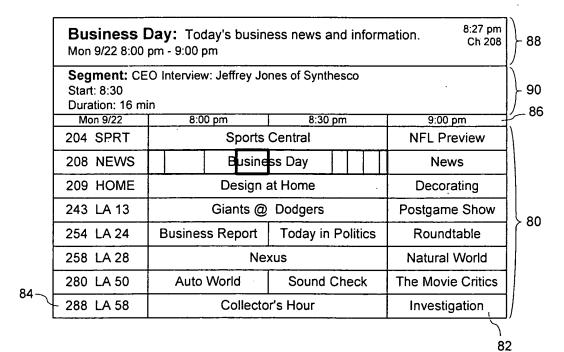


Figure 8b

Inventors: Gil Gavriel DUDKIEWICZ et al. Attorney: Ronald Coslick – 051448-0209 FOLEY & LARDNER – (310) 277-2223 Sheet 9 of 19

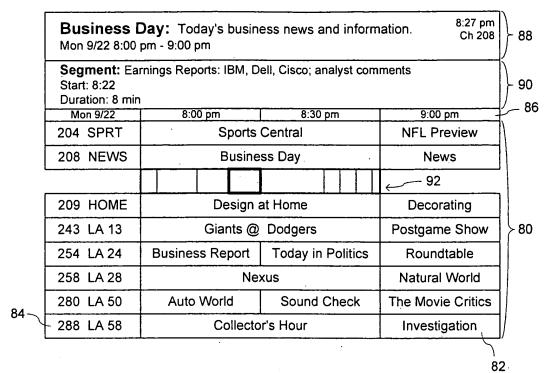


Figure 9a

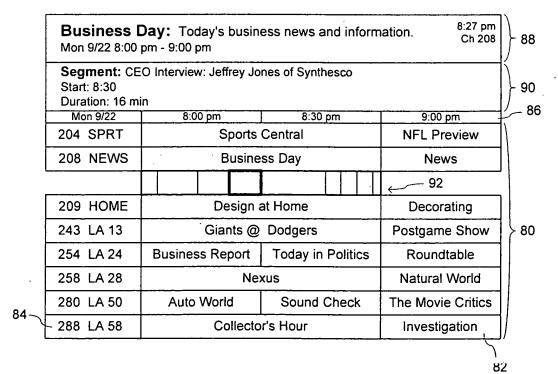


Figure 9b

Inventors: Gil Gavriel DUDKIEWICZ et al. Attorney: Ronald Coslick - 051448-0209 FOLEY & LARDNER - (310) 277-2223 Sheet 10 of 19

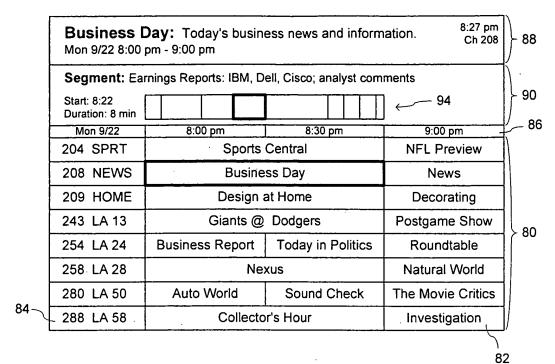


Figure 10a

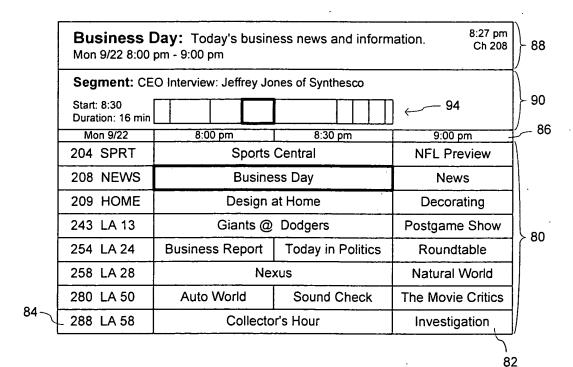
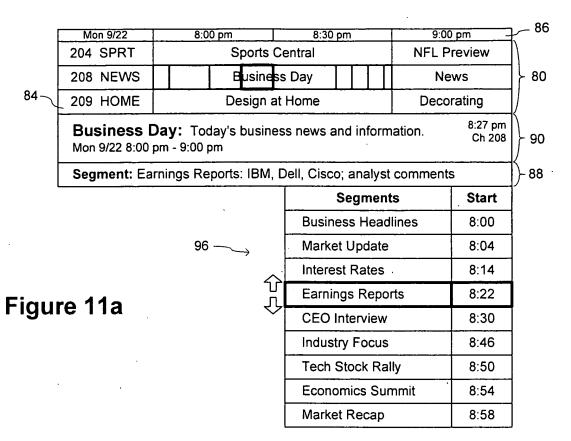


Figure 10b

INFORMATION
Inventors: Gil Gavriel DUDKIEWICZ et al. Attorney: Ronald Coslick - 051448-0209 FOLEY & LARDNER - (310) 277-2223 Sheet 11 of 19



Г	Mon 9/22	8:00 pm	8:30 pm	9:00	pm					
	204 SPRT	Sports C	entral	<u> </u>	NFL Preview					
	208 NEWS	Busines	s Day	News						
84	209 HOME	Design at	Home	Deco	rating					
	Business Day: Today's business news and information. Mon 9/22 8:00 pm - 9:00 pm 8:27 pm Ch 208									
	Segment: CE	O Interview: Jeffrey J	ones of Synthesco							
_			Segmen	ts	Start					
			Business Head	llines	8:00					
Figure 11b			Market Update		8:04					
			Interest Rates		8:14					
			Earnings Repo	8:22						
			CEO Interview		8:30					
		① ①	Industry Focus		8:46					
			Tech Stock Ra	lly	8:50					
			Economics Sur	mmit	8:54					
			Market Recap		8:58					

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User Command

Device Response

Display banner

- Retrieve metadata objects for the current time period and channel
- Assemble and display the banner:
 - form segment fields
 - display cursor in the current segment field
 - display program description in the banner
 - display segment description in the banner

Move cursor

- Display cursor in new segment field
- display segment description of new segment

Select

 Schedule a reminder for the segment on which the cursor is located

Record

- Display option to record whole program or segment only and receive selection
 - if viewer selects record whole program, begin recording and store any buffered portion
 - if viewer selects record segment and segment is current, begin recording
 - if viewer selects record segment and segment is future, schedule recording
 - if viewer selects record segment and segment is buffered, store segment as recorded content

Figure 12a

INFORMATION
Inventors: Gil Gavriel DUDKIEWICZ et al.
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<u>User Command</u>

Device Response

Find more like this

- Retrieve program and segment metadata having categories, keywords, actors or directors in common with a segment on which the cursor is located
- Display information about the retrieved programs and segments OR
- Display user interface showing categories, keywords, actors and directors of the segment on which the cursor is located
- Receive input specifying which categories, keywords, actors and directors are of interest
- Retrieve program and segment metadata having the specified categories, keywords, actors or directors
- Display information about the retrieved programs and segments

Update preferences

 Update viewer preferences to reflect approval or disapproval of categories, keywords, actors or directors of a segment on which the cursor is located

OR

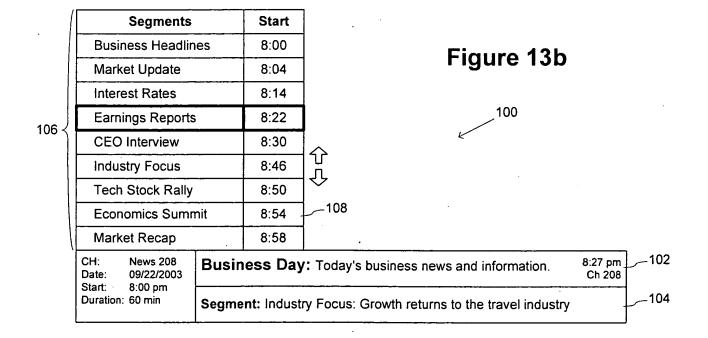
- Display user interface showing categories, keywords, actors and directors of the segment on which the cursor is located
- Receive input specifying which categories, keywords, actors and directors are approved or disapproved
- Update viewer preferences to reflect approval or disapproval of specified categories, keywords, actors or directors

Figure 12b

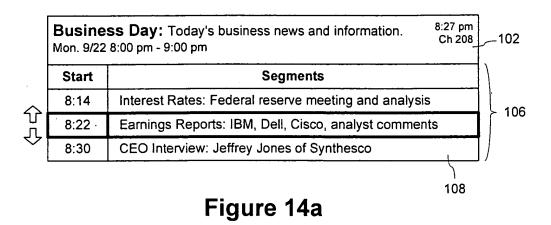
Inventors: Gil Gavriel DUDKIEWICZ et al. Attorney: Ronald Coslick – 051448-0209 FOLEY & LARDNER – (310) 277-2223

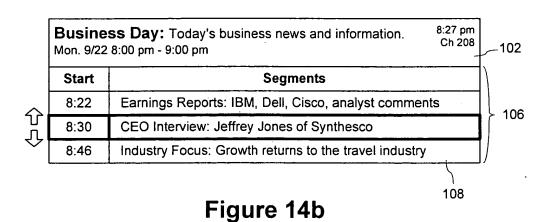
& LARDNER - (31)
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l	Segm	ents	Start	
	Business He	eadline	s 8:00	Figure 13a
	Market Upda	ate	8:04	Figure 13a
	Interest Rate	es	8:14	
106 ≺	Earnings Re	ports	8:22	了 了
100	CEO Intervie	ew	8:30	∀ .
	Industry Foo	us	8:46	
	Tech Stock	Rally	8:50	
	Economics S	Summit	8:54	108
1	Market Reca	3p	8:58	
	CH: News 2 Date: 09/22/2 Start: 8:00 pm	003	Business Day	7: Today's business news and information. 8:27 pm Ch 208
	Duration: 60 min		Segment: Earnir	gs Reports: IBM, Dell, Cisco; analyst comments



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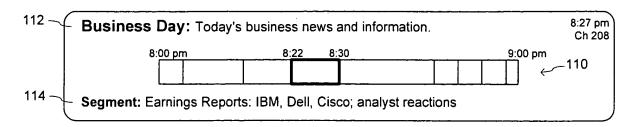


Figure 15a

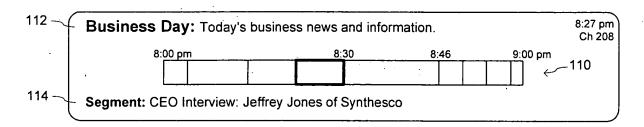
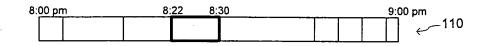
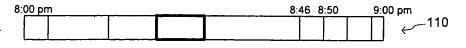


Figure 15b



114 ->> Earnings Reports: IBM, Dell, Cisco; analyst reactions

Figure 16a



114 -> Industry Focus: Growth returns to the travel industry

Figure 16b

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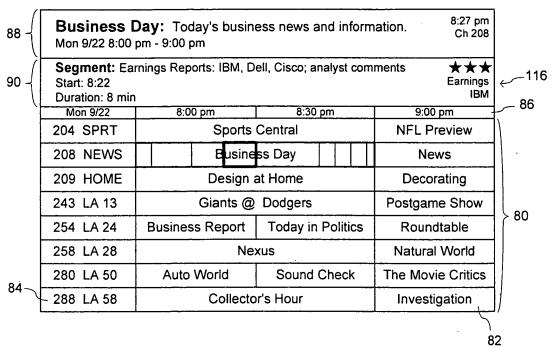


Figure 17a

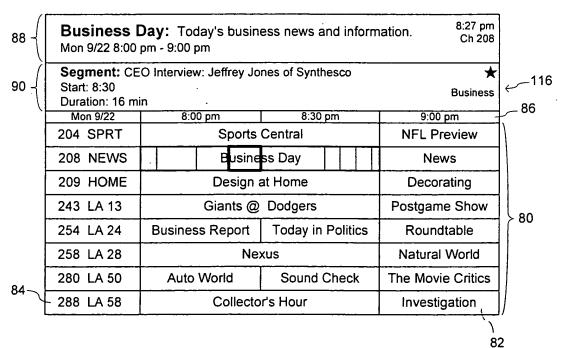


Figure 17b

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Segments Start Interest Peace Talks 9:00 _100 Presidential Campaigns 9:03 **118** 9:09 Supreme Court Decision 106 9:13 LYES. **Business Sports** 9:19 9:24 Entertainment, Weather 9:28 _102 CH: News 208 9:14 pm **News:** The day's news in thirty minutes. 09/22/2003 Ch 208 Date: 8:00 pm Start: -104 Duration: 60 min Segment: Business: market recap; tech rally; oil price spike

Figure 18

Find more like: Program: Business Day Segment: Earnings Reports Find Find								
<u>Category:</u>	Keyword:	• .						
☐ News	122 IBM							
☑ Business	☑ Dell							
☐ Earnings	☑ Cisco							
☑ Technology								

Figure 19

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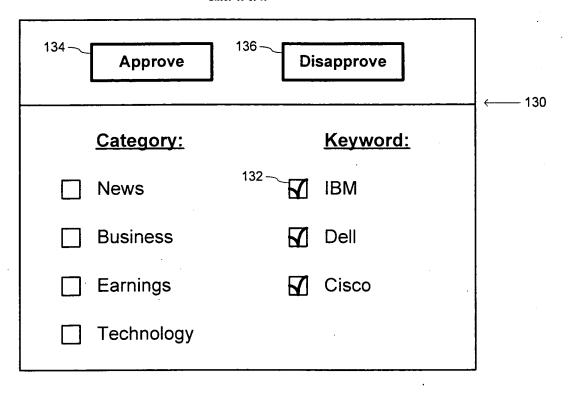


Figure 20a

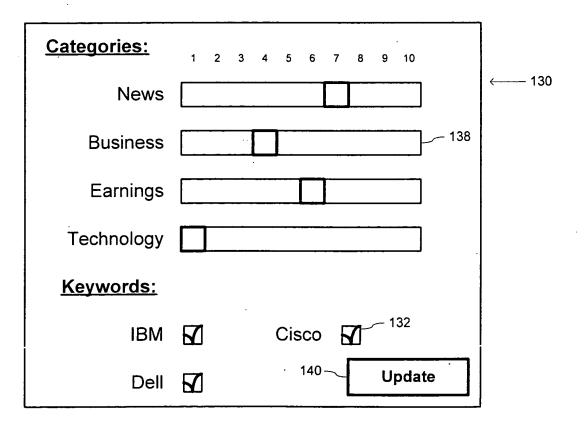


Figure 20b